Instruction Sheet For 6-Speed Overdrive Transmissions Precision Cut

JIMS® 6-SPEED OVERDRIVE SUPER KIT AND COMPLETE 6-SPEED TRANS KITS

PRECISION CUT GEARS

All gears are standard width for performance and strength with a close ratio 1st gear (2.94), or optional stock ratio (3.25).The last four gears are the same ratio as a stock 5-speed with a 6th gear ratio of .86:1 overdrive.

Super Kits: Precision Cut

This instruction sheet covers the following SUPER KITS No's: 8085 and 8085L.

Instruction sheets also covers the following complete trans kit No's: 8000C6, 8001C6, 8002C6, 8003C6, 8004C6, 8020, 8111, and 8112.

This instruction sheet is reference for a Precision Cut 6 Speed Super Kit assembly. Service and disassembly is the same as assembly, but in reverse order.

READ ALL INSTRUCTIONS BEFORE PERFORMING WORK!
IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT!

JIMS® IS NOT RESPONSIBLE FOR THE QUALITY AND SAFETY OF YOUR WORK!

If you are not sure about any of the procedures in these instructions, have a reputable H-D repair shop perform these procedures for you.

WARNING: Always disconnect the Battery Ground Cable (at the battery) to prevent injury. Your work area should be well lit. Wear safety glasses (over your eyes) and protective clothing when working around power tools and compressed air. Be careful with chemicals when cleaning parts. Protect your skin from solvents and use only in a well-ventilated area. Degreasers are flammable and are a fire hazard. Just use common sense and exercise good judgement.

USE MOTOR OIL FOR A LUBRICANT, FOR ASSEMBLY PURPOSE ONLY.
Any time you see **, this is an indication to lubricate parts. Apply a small amount of oil to parts being installed in this kit.

CAUTION: Wear safety glasses. Excessive force may damage parts!
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JIMS® SPECIAL TOOLS

Special tools required for installing JIMS 6-Speed Super Kit: The only special tools required are tools that may also be required for any 5-speed installation.

JIMS® Part No.	Description:
35316-80	5-Speed Maindrive Gear Tool
34902-84	Mainshaft Bearing Race Tool
94660-37A	Mainshaft Sprocket Locknut Wrench
2260	Big Twin Sprocket Locker
1720	5-speed Main Bearing Remover
	Solvent 184 or equivalent
1080	Brass Hammer
1008-5	Trans Stand, BT, non-oil pan case
1145	Complete Modular Engine & Transmission Stand Kit
2256	Maindrive Gear Seal Protector
1664	Tool Shifter Sleeve (H-D No.33114-79 or 34979-00) Remover

Optional parts that may be needed to install JIMS 6-Speed Super Kit:

JIMS® Part No.	Description:
37088-85	Center clutch pushrod, 11-1/8 LG. (if using original H-D clutch)
	Gear Oil 85w 140
1708	Mega Nut
8042K	Speedo Block-Off Plate Kit (1-used in trans case, 1- used in trans door)
OR	
8102	Billet Speedo Block-Off Plate Kit (1-used in trans case, 1- used in trans door)
8126	Speedo Re-Calibration Unit (If trans will be running a electronic speedometer)
8088	Spout spacer, 2002 to present FL models

Super Kit Case Shifter Sleeve Information

NOTE ! If you are installing No. 8085 Super Kit you must use the provided H-D No. 34979-00 or JIMS No. **7514** shifter sleeve in the case to work correctly with the upgraded 6-speed shift drum and lever assembly. The length of this sleeve is 1.785" inches long. If your case has the original sleeve in it from 1980 to 1999 Evo Big Twin or 1999-2000 Twin Cam FLHT or FXD you will need to remove the shorter sleeve and install the JIMS No. **7514** sleeve. Use JIMS tool No. **1664** sleeve remover and installer tool to install the provided sleeve.

Speedo Information

If you will be running an electronic speed sensor you will need to install a speedo block off plate (See Optional Parts needed list above) over your sensor hole in the case using your favorite gasket sealer, and install your electronic speed sensor in the door. If you will not be using an electronic speed sensor in either location (door or case) you will need to use two speedo block-off plate kits for the door and case.

NOTE! JIMS ships all Super Kits with a protective sleeve on the end of the mainshaft splines. Leave this in place until you have installed the mainshaft through the main drive gear. This sleeve protects against damaging the main drive gear seal thus preventing oil leaks.

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5-Speed gear set removal

Refer to H-D® service manual for year and model of bike for disassembly and removal of 5-speed gear set from transmission case.

Case preparation

1. Use your H-D Service Manual, and Parts Book for reference for the year and model you will be installing this kit in. If you are not sure about the procedures in these instructions, have a reputable H-D repair shop perform these procedures for you.

2. Case shift lever sleeve application information

2A. If you purchased a JIMS No. 8085L Super Kit for the late model original 5-speed case it should have the correct shifter shaft sleeve (H-D No.34079-00 that's 1.785" long) installed in the transmission case. This will work on our upgraded shifter lever and drum kit.

2B. If you're installing a JIMS No. 8085 Super Kit in the early 5-speed case you will need to remove the shift lever sleeve (H-D No. 33114-79) that's 1.535" long using JIMS tool No. 1664. You then need to install the provided shifter shaft sleeve JIMS No. 7514, (H-D No.34079-00) that's 1.785" long using JIMS tool No. 1664.

3. JIMS 6-speed is designed to fit in stock, 5-speed H-D and aftermarket 5-speed cases. This applies in most situations, but there are some exceptions. The internal walls of cases float around occasionally in H-D and aftermarket castings. This is not an indication of a quality problem. This is inherent in all castings. The following checks will need to be made to ensure a problem free installation. ***Note:*** All JIMS ® transmission cases are clearanced for 6-speed installations.

CAUTION: BEFORE GRINDING OR FILING COVER ALL BORES

4. Using masking tape, cover all door mounting holes of trans case. From inside the transmission case, tape over all bores as follows:

a. • Vehicle speed sensor and mounting screw bores

b. • Transmission top cover and shifter drum support screw bores

c. • Transmission drain hole bore

d. • Main drive gear bearing bore

e. • Countershaft needle bearing bore

f. • Fork shaft bore

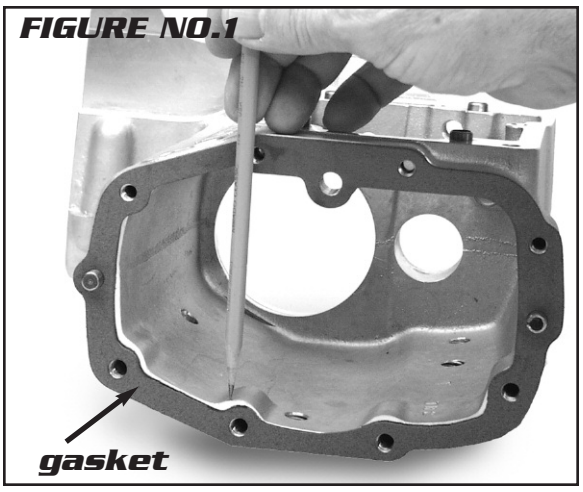
g. • Shifter shaft bore

Mainshaft 6th gear clearance check

5. Place the door gasket JIMS No.35652-79 (supplied) onto both dowel pins of the trans case. If the material of the case above the lower rear 5/16 –18 screw holes is above the profile of the gasket, this material must be removed from the case. With marker, mark the case above the gasket surface. See **Fig. 1 and 2**. Remove, grind, or file the marked case material 1/2" inward (perpendicular to gasket surface) removing the unused gasket surface of the case. (A die grinder with a carbide bit for aluminum cutting can be used) or a coarse flat file also works well.

Auxiliary threaded shift fork shaft clearance

6. The threaded shift fork shaft comes installed in the



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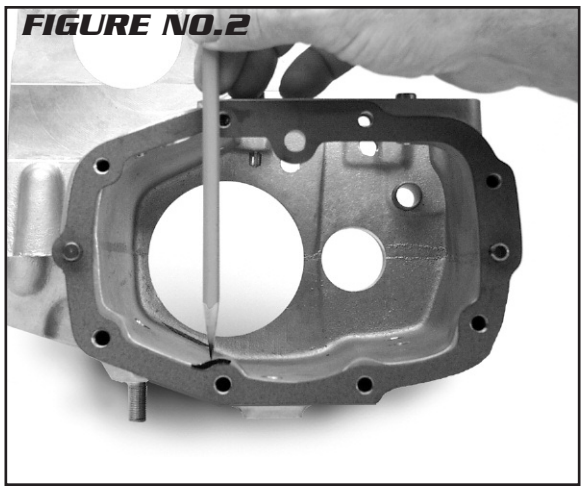
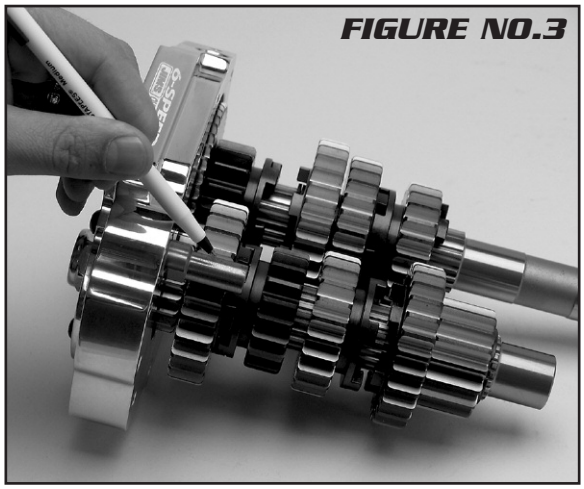
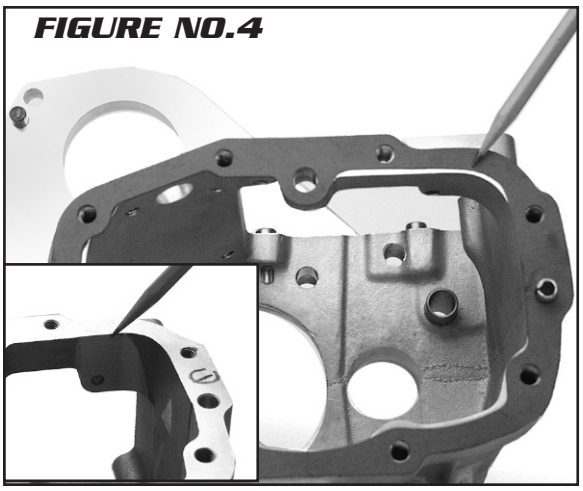


inside of the door. **See Fig. 3**.

Note: Mark the upper right hand corner of the case with a Sharpie below the gasket surface. See **Fig. 4**. File case for a minimum clearance .010". The maximum clearance is .060".

Pillow block clearance check





7. Pillow block JIMS No.8079W (supplied) must be snugged down square over the dowels. See **Fig. 5** File case for a minimum clearance .010", and maximum clearance of .060". See **Fig 5** and **Fig 6**. Check to make sure that a clearance exists between the torsion spring and case of 1/16" to 1/8".

Primary Shift Shaft Boss Clearance

8. Mainshaft 6th gear clearance to case must be checked using the trap door gasket as a template.

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FIGURE NO.6

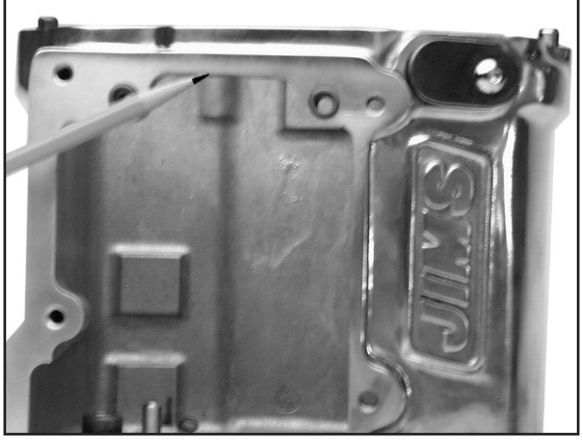
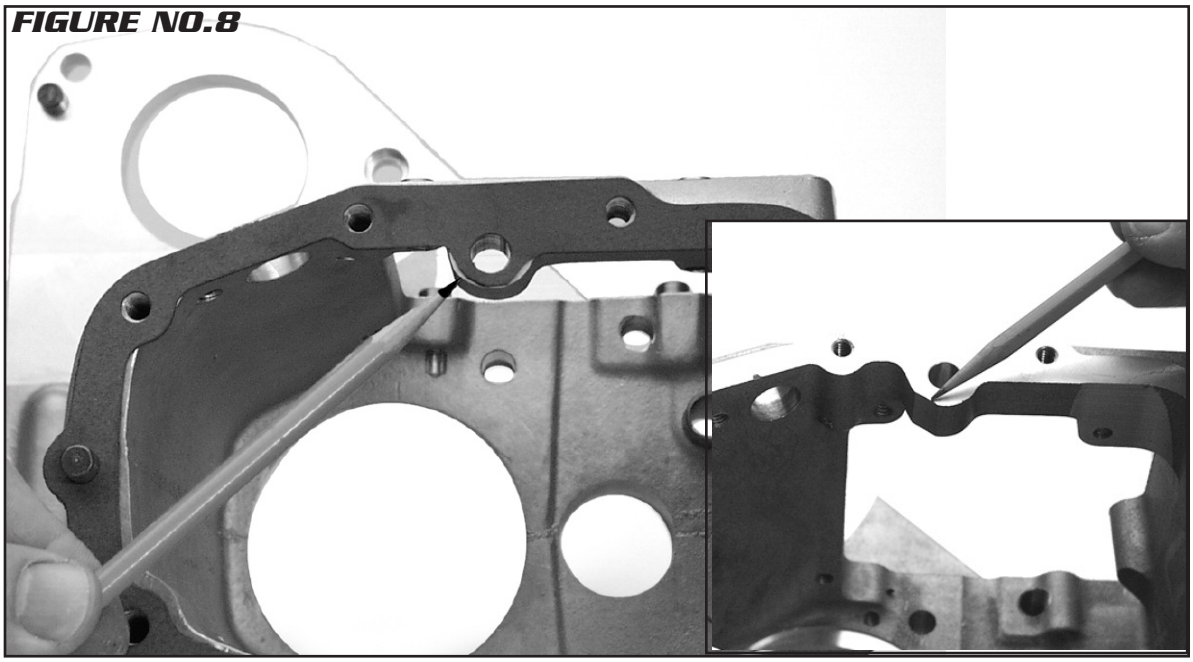


FIGURE NO.7

FIGURE NO.8



Hold the gasket against the case and mark the area with Sharpie that extends past the gaskets' profile. Remove this material inward (perpendicular to gasket surface) with a coarse round file. See **Fig 8**.

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Installing Super Kit parts in case

1. Install maindrive gear bearing JIMS No. 8996** supplied in kit using JIMS tool No.35316-80. Follow instruction sheet provided with tool. See your H-D service manual.

NOTE: Never install any bearings into the case by applying pressure to the inner race or you will destroy the bearing. Do not remove the mainshaft protective cover on the clutch hub spline end of mainshaft. It can be removed after super kit has been installed in trans case.

2. Install the new retaining ring, JIMS No.11067 provided with the bevel facing out. See your H-D service manual.
3. Install provided main seal JIMS No.12067A** with JIMS tool No.95660-85.
4. Install main drive gear JIMS No.8296** provided using JIMS tool No.35316-80, and follow instruction sheet. See your H-D Service Manual. Install countershaft end bearing JIMS No.8977** provided.

Note: Install countershaft bearing by applying pressure to the ***LETTER*** side of bearing ***ONLY***.

5. Install shifter shaft seal JIMS No.12045** (supplied). See your H-D Service Manual.
6. Install shift lever assembly JIMS No.8324** (supplied). See page 12 item 49.
7. Install shifter shaft washer JIMS No. 6497HW and retaining ring JIMS No.11150 (supplied).
8. Install shifter shaft centering pin screw JIMS No.34978-00A** provided. See page 13 item 45.

Instructions for installing gear set into case

1. Place door gasket JIMS No.35652-79 supplied over the two dowel pins on case.

***NOTE: Apply a small amount of lube to the inside of main drive gear and install lubed tool JIMS No. 2256-2 main drive gear seal protector on mainshaft if you have removed the mainshaft protective cover as shown in* Fig 9.**

The mainshaft protective sleeve covering the clutch hub spline on mainshaft can be used as a seal protector as the mainshaft is installed through the main drive gear.

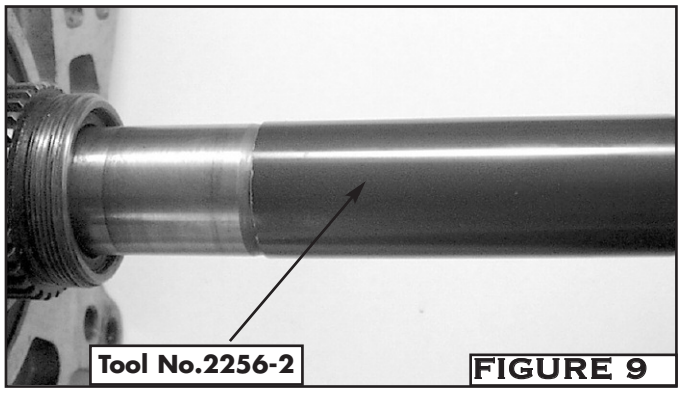

FIGURE 9

2. Gently install the gear set trap door assembly by sliding the mainshaft ** through the main drive gear, slowly pushing the trap door assembly inward until the door makes contact with the two dowel pins in trans case. A rubber hammer is helpful to tap the trap door assembly over the dowel pins without risking damage to the aluminum or chrome of trap door. Install the door mounting screws, two 1/4-20 x 1-1/4 SHCS allens, JIMS No.1258 supplied.
3. Apply a small amount of Blue Loctite to each screw in the Top 2, 1/4" screw holes and torque them to 7-9 ft-lbs. Install the 4, 5/16" screws, JIMS No.1118 (supplied) in the bottom 4, 5/16" screw holes and torque them to 13-16 ft-lbs.

Shift fork installation

For fork placement, the 3rd C/S, 2nd M/S, and 1st M/S forks will ride on the primary fork shaft; JIMS No.34088-87 provided. See **Fig 10 and 14**. The 4th C/S fork rides on the auxiliary shaft **See Fig. 10, and 14.**

Install the 1st M/S fork and slide the 1st gear away from the trap door and engage the dogs of the adjacent gear to allow room for the fork to slide. See **Fig 10**. Next install the 4th C/S fork which rides on the auxiliary fork shaft JIMS No. 8075. See **Fig 10** and **14**. Install 2nd M/S and 3rd C/S forks and insert the primary fork shaft No. 34088-87 through the trap door

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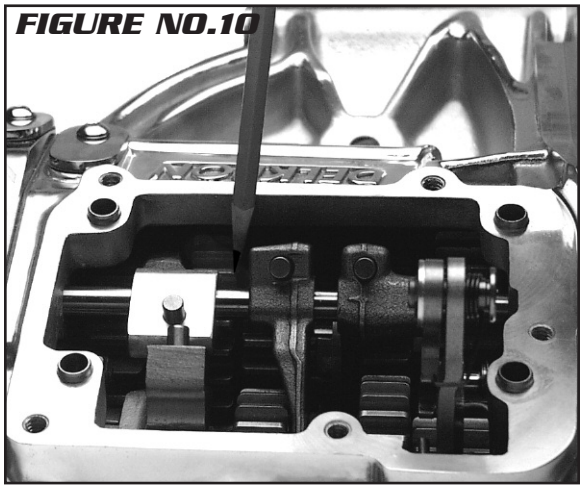

and through all three shift forks.
NOTE: While pushing the auxiliary fork shaft through, hold onto the 4th C/S gear fork and make sure the fork Is positioned correctly to receive the auxiliary fork shaft. Install set screw No.3784C with blue threadlocker JIMS No.4501 in threaded hole to hold shaft No.8075 in place. Torque to 2-4 Ft Lbs.

Function check

With the 4 forks installed, check to make sure that the forks slide freely on the shafts by moving them back and forth with your fingers. If you experience any binding of the 4th C/S fork, you most likely need to go back and perform clearance check. Slide 3 shift forks into 3 gears (this is to lock the trans, to keep the gears from turning, for final torquing of main drive nut).

Instructions for installing main seal spacer and torquing mainshaft pulley nut

1. Install mainshaft quad seal JIMS No.11165 **(supplied) over main drive gear on left side of trans. See H-D Service Manual.
Note: Spacer 33344-94 is for late pulley only, pulley REF. No.40250-94A.
2. Install mainshaft seal spacer JIMS No.33344-94 ** (not supplied) over mainshaft bearing boss on left side of trans, with the chamfered side to the inside, See H-D Service Manual.
3. Install mainshaft bearing race No.34091-85 provided on mainshaft per H-D Service Manual using JIMS tool No.34902-84.
4. Install trans pulley (not provided) and Mega Nut, JIMS No.1708 (not supplied) or O.E.M. nut.
5. Install center pushrod, JIMS No.37088-85 (not supplied) lube both ends and slide into mainshaft.
6. Install inner primary cover, clutch and primary drive, Refer to H-D Service Manual for the year and model.

SHIFT DRUM & PILLOW BLOCK INSTALLATION

Install the shift drum assembly with all 4 allen screws through pillow blocks. The 3 screws JIMS No.2135 (supplied) are 1/4-20 x1 1/4" socket head allen, and 1 screw JIMS No.1297 (supplied) is a 1/4-20x1 1/4" button head allen. There are 3 AN washers, JIMS No.1215 (supplied). These are used on the socket head allen screws. One JIMS No.2135 button head screw with no AN washer is used on the right side pillow block in the forward position below the detent roller. **See Fig.11**. Install allen screws into the pillow block holes and tighten down the shift drum / pillow block assembly squarely. Squarely means tighten down each screw one turn at a time to pull pillow blocks over the dowels and torque to 7-9 ft-lbs. The right side pillow block may be stubborn in making its way over the dowels. Tighten down the pillow block screws in a criss cross pattern to overcome this. Install your top lid with gasket supplied and torque screws per H-D Service Manual specifications.

Top Transmission Cover and Neutral Switch

For No. 8085 Early super kit, install No. 34904-00 neutral switch (provided) in the top cover from you original transmission.

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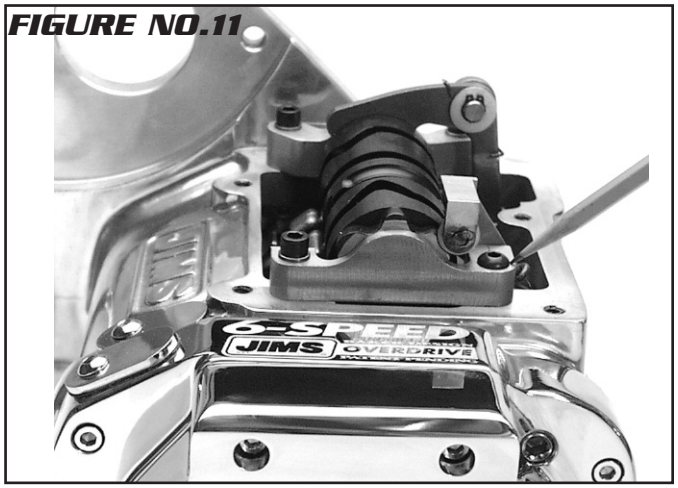
FIGURE NO.11



Neutral Switch Wiring

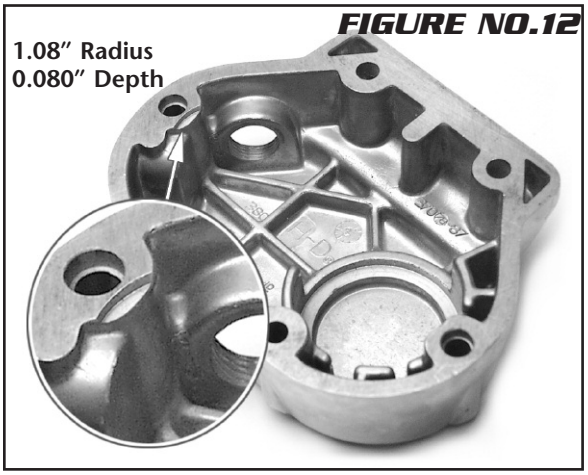
We have included the correct connectors for the wiring conversion from early single post to late two post neutral switch wiring. One of the post wire connectors will have to be mounted as a ground wire using the eyelet connector we've provided.

For No. 8085L Late super kit you can install your existing top cover from you original transmission and connect to your existing neutral switch wiring.

CLUTCH RELEASE SIDE COVER INSTALLATION

1. Install throwout bearing kit JIMS No.2226 onto end of right clutch pushrod JIMS No.8076 supplied. Refer to 2000 to 2006 Twin Cam H-D Service Book. No oil slinger is required.
2. Install and lube right clutch pushrod, with throwout bearing attached, then insert into end of mainshaft.
3. Note: On all JIMS 6-Speed Super Kits, if you do not use a JIMS side cover No.2371P or No. 2371CH you will need to modify your H-D or aftermarket cover as shown in **Fig. 12**. You will also need to cut the gasket to match the side cover gasket surface area. These modifications allow clearance for trap door bearings.
4. Assemble side cover with ball and ramp assembly, cable coupler, and retainer inside side cover. Refer to H-D Service Manual.
5. Install No.11179 O-ring on clutch cable. Thread clutch cable through hole in side cover. Connect clutch cable end to cable coupler. Refer to H-D Service Manual.
6. Locate your side cover gasket, JIMS No. 36801-87A (supplied) against trap door and attach side cover.

FIGURE NO.12



Note: If you are using an O.E.M. side cover you must use the two 1/4-20 x 2" No. 1291 SHCS' with 2 special AN washers, JIMS No. 1114 that are in kit or equivalent SHCS with a 2" length. The positions of these two screw holes are shown in **Fig. 13**. Use your O.E.M. screws or equivalent for remaining four side cover mounting screws. Apply a small amount of Blue Loctite to each screw. Torque screws to 7 to 9 ft-lbs in a criss-cross pattern. Refer to your H-D Service Manual. **See Fig. 13**, page 10 for screw layout.

SUPER KIT TOP LID & NEUTRAL SWITCH INFORMATION

JIMS No 8085L late model Super Kit
Your later model case should already have the cor-

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rect lid, neutral switch, and wiring to connect the switch correctly.

JIMS No 8085 early model Super Kit

You will need to provide a H-D top cover No. 34541-00 or equivalent for H-D No 33904-00A neutral switch (provided). We have provided the correct wiring connectors to connect to the neutral switch.

EXHAUST MOUNTING BRACKET MODIFICATION:

You may need to modify, the original exhaust mounting bracket. This will vary per model and manufacturer of exhaust. Mount modified exhaust bracket to the bottom 2 or 4, 5/16" door mounting screws.

FLH OIL FILL SPOUT MODIFICATION

1. Super kits used on FLH models will need to modify the oil fill spout to fit properly on trans case. You will need to provide clearance on your fill spout to clear the trap door. You will need to machine, file, or grind, to get enough clearance so you can mount spout cover to the case in normal position without the cover touching the trap door.
2. **On 2001 and earlier FLH models:** Mount modified oil fill spout to trans case along with oil fill spout gasket JIMS No.866 (provided) and **mounting screws. Mount and torque four mounting screws per H-D Service Manual.
3. **On 2002 to present FLH models:** Along with performing steps 1 & 2 above you need to purchase or make a spout spacer (not provided in kit). For a spout spacer, order JIMS No.8088. You will need to plug and relocate the vent fitting on the spout cover as needed to clear your speedo sensor.

FILLING TRANS WITH OIL

1. Fill the final assembled gearbox with 20-24 oz. of Torco 80W-90W oil, JIMS No.1230.
2. Change oil at 500 miles.
3. Refill case with 75W-140 Synthetic, or equivalent.

DISASSEMBLY

In general, disassembly of your JIMS 6-speed Overdrive is the reverse of of the installation instructions with only one note: To remove the auxiliary fork shaft No.8075, you may need a slide hammer with a 10-32 threaded tip.

CAUTION: 6-speed gear sets must be assembled onto the proper shaft, with the dogs facing the correct mating gears. Gears are laser marked with their part number. This step is essential for proper assembly of the transmission. Improper placement of the gears will result in the malfunction of the transmission and damage.

Customer Support: For any installation or service Questions, please contact JIMS **Technical Department @ 805-482-6913.**

WARRANTY PROVISIONS

All JIMS parts are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of 6 (six) months from the date of purchase. Merchandise that fails to conform to these conditions will be repaired or replaced at JIMS option if the parts are returned to us by the purchaser within the 6 (six) month warranty period or within 10 (ten) days thereafter. In the event warranty service is required, the original purchaser must call or write JIMS immediately with the problem. Some problems can be rectified by a telephone call and need no further course of action.

A part suspected of being defective must not be replaced by a Dealer without prior authorization from JIMS. If it is deemed necessary for JIMS to make an evaluation to determine whether the part is defective, it must be packaged properly to prevent further damage and be returned prepaid to JIMS with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem, how the part was used and the circumstances at the time of failure. If after an evaluation has been made by JIMS and the part was found to be defective, repair, replacement or credit will be granted.

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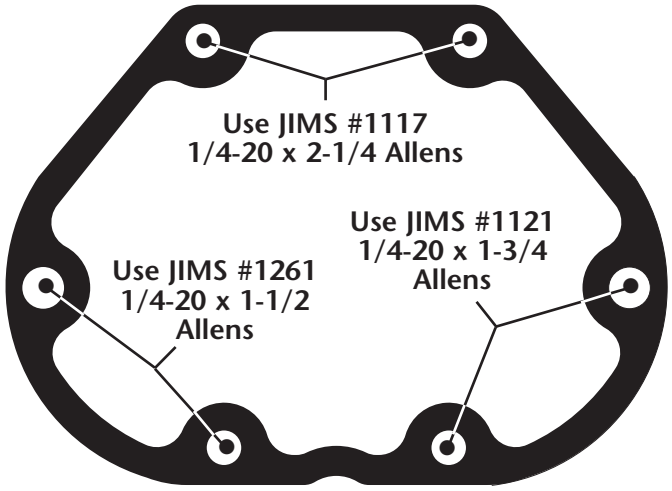
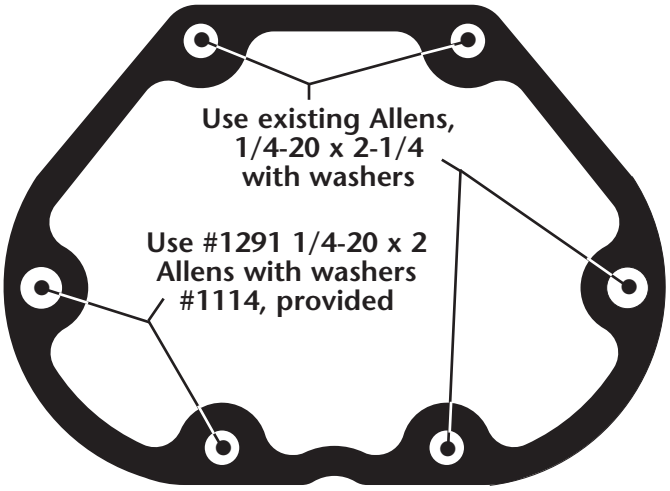
ADDITIONAL WARRANTY PROVISIONS:

1. JIMS shall have no obligation in the event a JIMS part is modified by any other person or organization.
2. JIMS shall have no obligation if a JIMS part becomes defective in whole or in part as a result of improper installation, improper maintenance, improper use, abnormal operation, or any other misuse or mistreatment of the part.
3. JIMS shall not be liable for any consequential or incidental damages resulting from the failure of a JIMS part, the breach of any warranties, the failure to deliver, delay in delivery, delivery in nonconforming condition, or for any other breach of contract or duty between JIMS and a customer.
4. JIMS parts are designed exclusively for use in Harley-Davidson® Motorcycles. JIMS shall have no warranty or liability obligation if a JIMS part is used in any other application.
5. Any JIMS parts or tools that are returned and replaced become the property of JIMS and will not be returned under any circumstance.



HARDWARE NEEDED FOR JIMS BILLET SIDE COVER (NOT PROVIDED IN KIT)

FIGURE NO.13



HARDWARE USED ON ORIGINAL HARLEY SIDE COVER

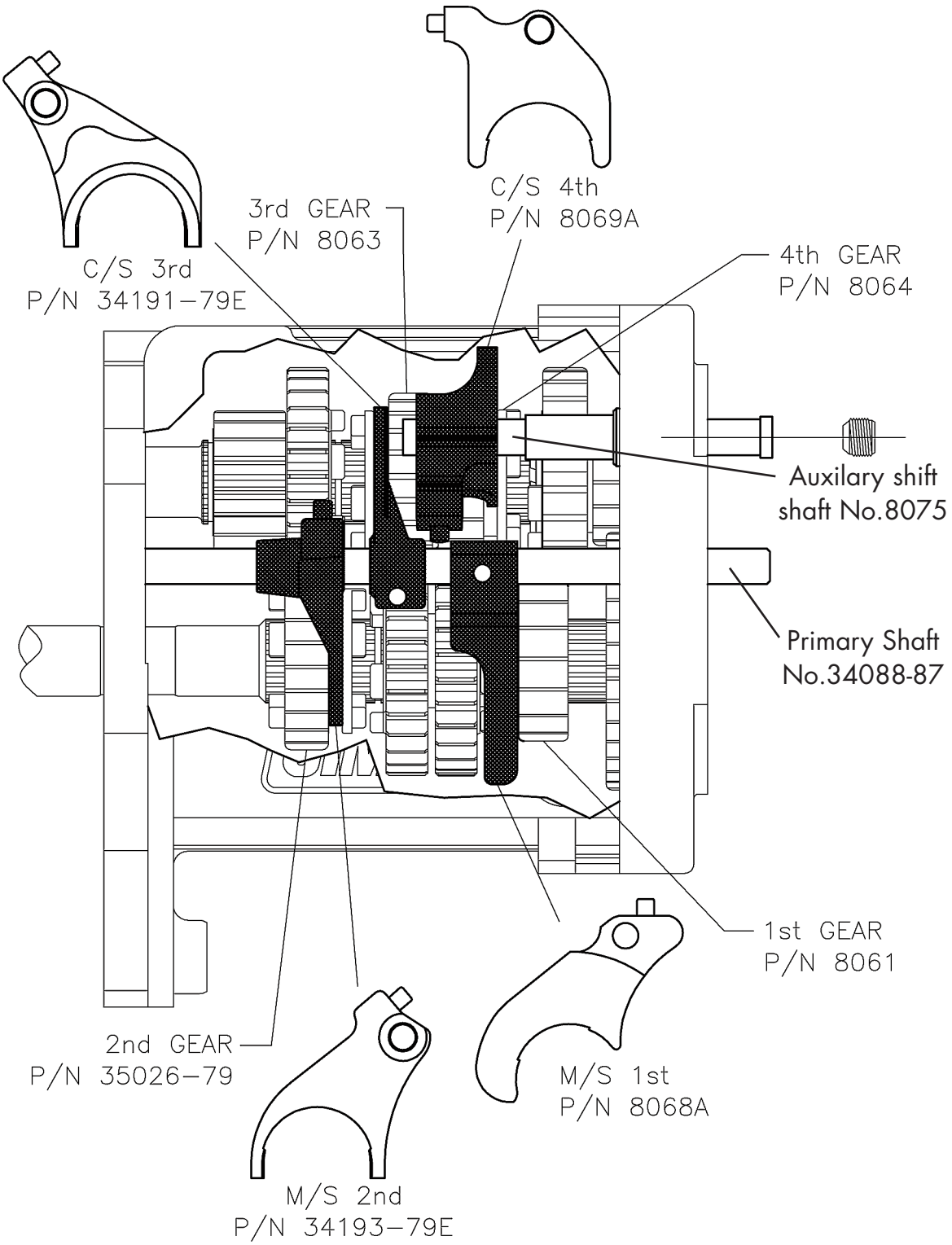
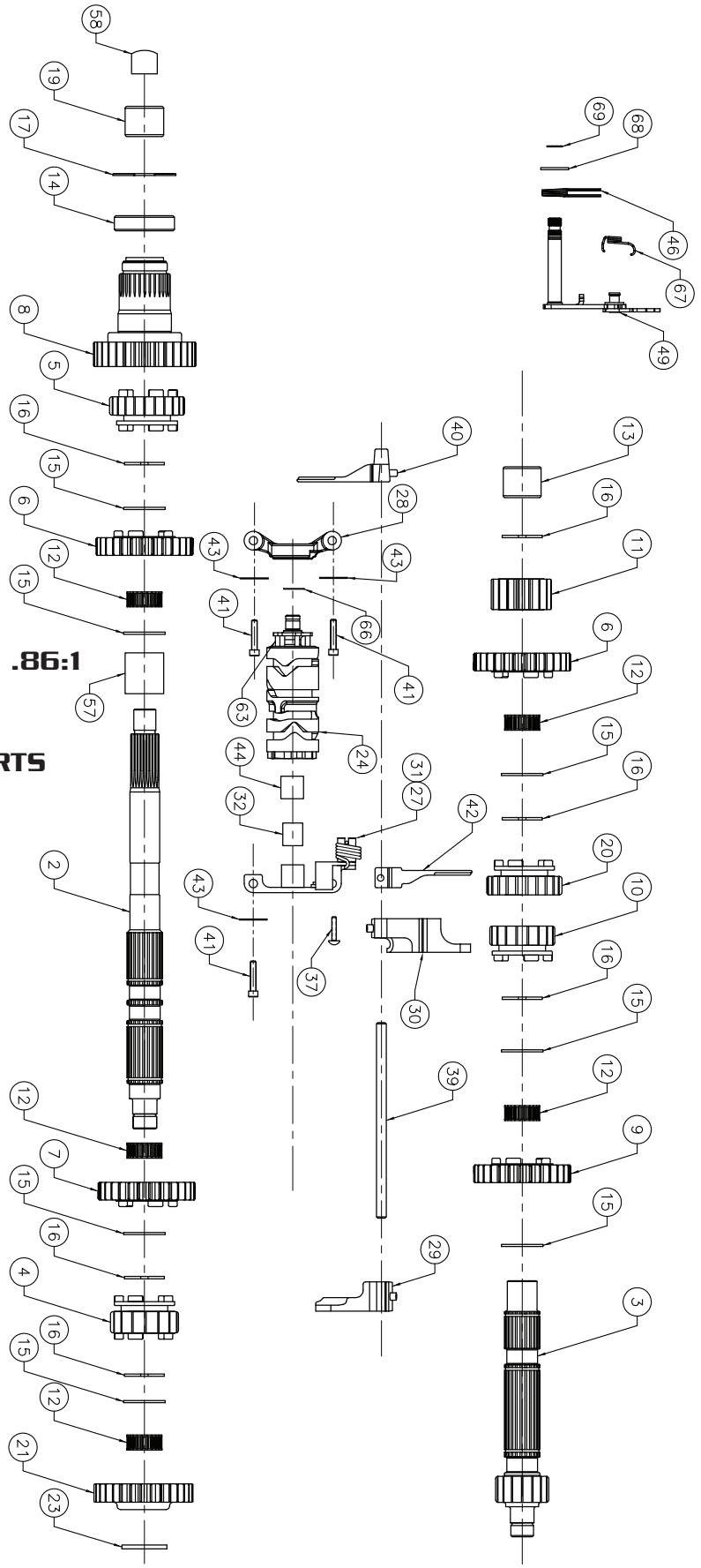
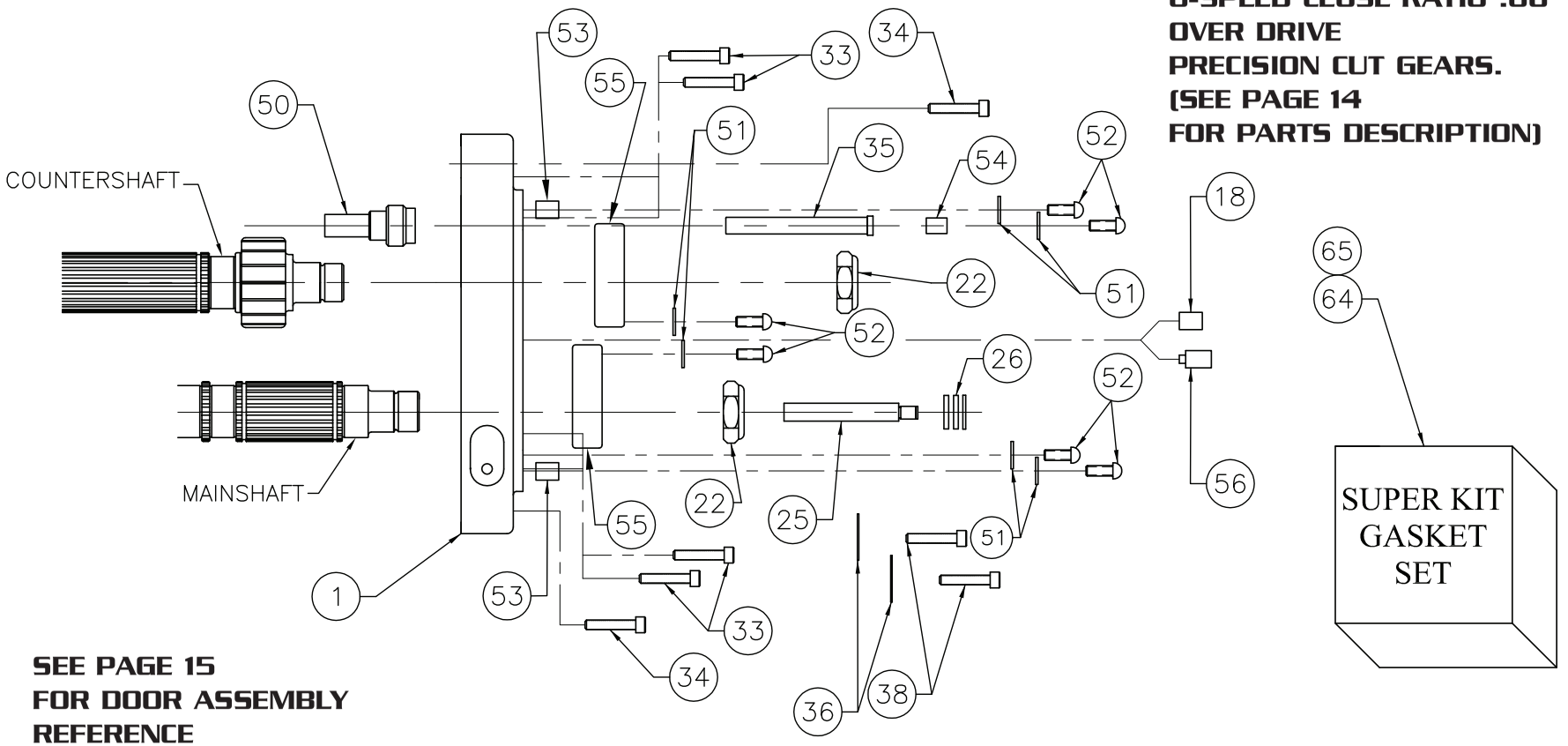

C/S 3rd
P/N 34191–79E
3rd GEAR
P/N 8063
C/S 4th
P/N 8069A
4th GEAR
P/N 8064
Auxilary shift
shaft No.8075
Primary Shaft
No.34088-87
1st GEAR
P/N 8061
2nd GEAR
P/N 35026–79
M/S 1st
P/N 8068A
M/S 2nd
P/N 34193–79E

FIGURE NO.14

PARTS ASSEMBLY
6 SPEED CLOSE RATIO .86:1
OVER DRIVE
PRECISION CUT
(SEE PAGE 14 FOR PARTS DESCRIPTION)



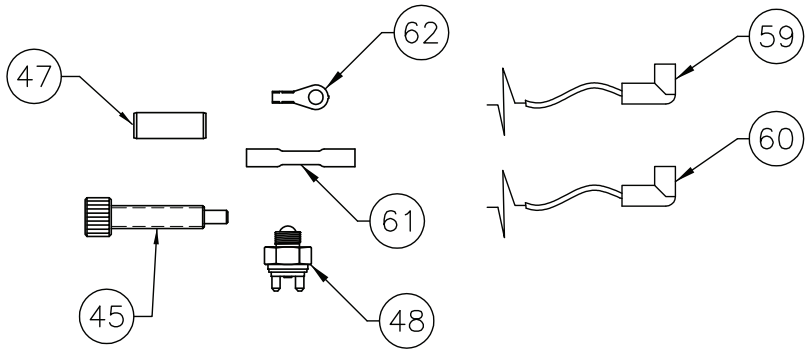
PARTS ASSEMBLY
6-SPEED CLOSE RATIO .86
OVER DRIVE
PRECISION CUT GEARS.
(SEE PAGE 14
FOR PARTS DESCRIPTION)



SEE PAGE 15
FOR DOOR ASSEMBLY
REFERENCE

TRAPDOOR END VIEW

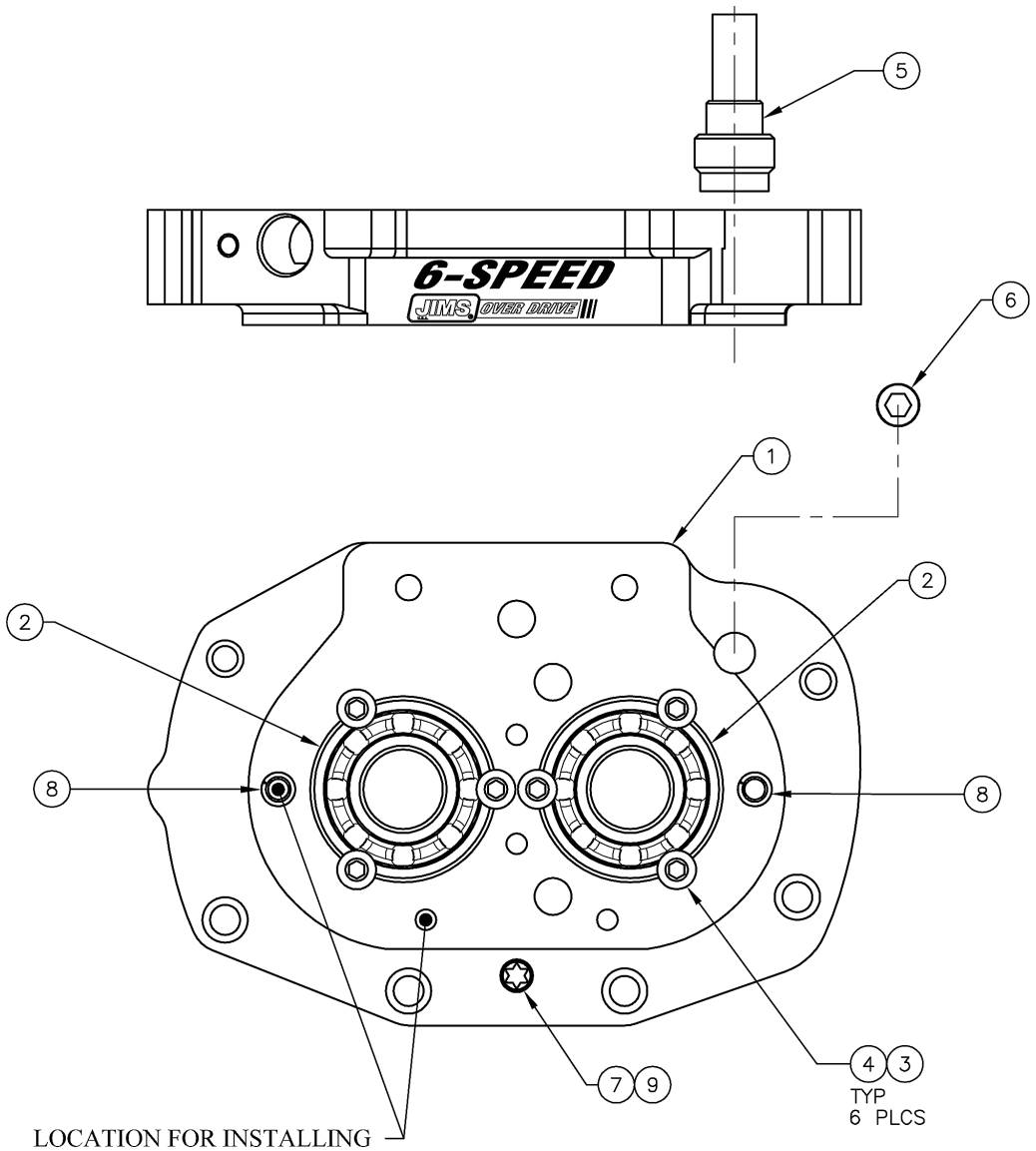
8085 ONLY



JIMS USA
A Division of Thiessen Products, INC.
555 Dawson Drive, Camarillo, CA 93012 Phone 805-482-6913 • Fax 805-482-9224

PARTS LIST

NO.	QTY.	TITLE OR DESCRIPTION	PART NO. PRECISION CUT
1	1	TRAP DOOR, 6-SPEED W/SPEED SENSOR BORE	8880-1
2	1	MAINSHAFT, 6-SPEED	8067
3	1	COUNTERSHAFT COMBO 6th GEAR, 6-SPEED	8301-1
4	1	GEAR, 1st , MAINSHAFT C/R 6-SPD	8289
5	1	GEAR, 2nd MAINSHAFT, 6-SPD	8291
6	2	GEAR, 3rd M/S & C/S 2nd	8292
7	1	GEAR, 4th MAINSHAFT	8294
8	1	GEAR, 5th MAINSHAFT	8296
9	1	GEAR, 1st, COUNTERSHAFT C/R, 6-SPD	8290
10	1	GEAR, 4th COUNTERSHAFT, 6-SPEED	8064
11	1	GEAR, 5th COUNTERSHAFT	8299
12	5	BEARING, MAINSHAFT & COUNTERSHAFT	8876A
13	1	BEARING, COUNTERSHAFT END	8977
14	1	BEARING, TRANSMISSION CASE	8996
15	7	THRUST WASHER, MAINSHAFT & COUNTERSHAFT	6003
16	6	RETAINING RING, MAINSHAFT & COUNTERSHAFT	11067
17	1	RETAINING RING, MAIN DRIVE GEAR BEARING	11161
18	1	PLUG, ALLEN, (FLH OR FXD ONLY)	2389
19	1	RACE, MAINSHAFT, INNER PRIMARY	34091-85
20	1	GEAR, 3rd, COUNTERSHAFT, 6-SPEED	8293
21	1	GEAR, 6th, MAINSHAFT, 6-SPEED	8300
22	2	LOCKNUT, MAINSHAFT & COUNTERSHAFT	35078-79
23	1	THRUST WASHER (MAINSHAFT 6th GEAR)	8081
24	1	SHIFT DRUM, 6-SPEED	8083-1
25	1	ROD, CLUTCH RELEASE, 6-SPEED	8076
26	1	THROW OUT BEARING KIT	2226
27	1	PILLOW BLOCK, BILLET, RIGHT ASSEMBLY, 6-SPEED	8079W
28	1	PILLOW BLOCK, BILLET, LEFT ASSEMBLY, 6-SPEED	33301-00A
29	1	SHIFT FORK, 1st GEAR MAINSHAFT, 6-SPEED	8068A
30	1	SHIFT FORK, 4th GEAR COUNTERSHAFT, 6-SPEED	8069A
31	1	SPRING, RIGHT PILLOW BLOCK	8079-2
32	1	RACE, RIGHT PILLOW BLOCK	8082
33	4	SCREW, SHCS, CHROME, (DOOR, LOWER)	1118
34	2	SCREW, SHCS, CHROME, (DOOR, UPPER)	1258
35	1	ROD, SHIFT FORK, 4th, 6-SPEED	8075
36	2	WASHER, AN, CHROME, H.D., END COVER (OPTIONAL)	1114
37	1	SCREW, BHCS, PILLOW BLOCK	1297
38	2	SCREWS, SHCS, CHROME, H.D., END COVER (OPTIONAL)	1291
39	1	SHAFT, SHIFT FORKS	34088-87
40	1	SHIFT FORK, 2nd GEAR, MAINSHAFT	34193-79E
41	3	SCREWS, SHCS, PILLOW BLOCK	2135
42	1	SHIFT FORK, 3rd GEAR, COUNTERSHAFT	34191-79E
43	3	WASHERS, AN, PLAIN	1215
44	1	BEARING, SHIFT DRUM	35961-52
45	1	CENTERING PIN SCREW	34978-00A
46	1	SPRING, SHIFTER SHAFT	34064-00C
47	1	SLEEVE, SHIFTER SHAFTER (8085 ONLY)	7514
48	1	SWITCH, NEUTRAL (8085 ONLY)	34904-00
49	1	SHIFT LEVER ASSY	8324
50	1	THREADED SHIFT ROD SUPPORT	8879
51	6	WASHER, AN PLAIN	1216
52	6	SCREW, BUTTONHEAD, PLAIN	8090
53	6	SPLIT DOWEL	609
54	1	PLUG, CHROME	3784C
55	2	BEARING, TRAPDOOR	8992
56	1	MAGNETIC DRAIN PLUG (8085 FXST ONLY)	739A
57	1	SHRINK WRAP	8012-1
58	1	RUBBER CAP	2401
59	1	BLACK WIRE ASSY (8085 ONLY)	72405-98BK
60	1	TAN WIRE ASSY (8085 ONLY)	72405-98TN
61	1	WIRE CONNECTOR (8085 ONLY)	70585-93
62	1	WIRE EYELET (8085 ONLY)	72241-94A
63	6	DOWEL PIN, DRUM	8356
64	1	GASKET & SEAL KIT (8085)	869
65	1	GASKET & SEAL KT (8085L)	804
66	1	RETAINER, SHIFT DRUM	11342
67	1	SPRING, RATCHET ARM	34977-02A
68	1	WASHER, SHIFTER SHAFT	6479HW
69	1	RETAINER, SHIFTER SHAFT	11150



PARTS LIST			
NO.	QTY.	TITLE OR DESCRIPTION	PART NUMBER
1	1	CHROME BILLET TRAP DOOR	8880-1
2	2	DOOR BEARING	8992A
3	6	WASHER	1216
4	6	SCREW, 1/4-20 x 1/2" BUTTON HEAD	8090
5	1	THREADED SHIFT ROD SUPPORT	8879
6	1	SET SCREW, CHROME, 1/2-20	3784C
7	1	MAGNETIC DRAIN PLUG (FXST ONLY)	739A
8	2	SPLIT PIN	609
9	1	PLUG (FXD & FLH ONLY)	2389

CAUTION: Wear safety glasses. Excessive force may damage parts!
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